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CANADIAN PATENT

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PREPARATION OF A HYPOCHOLESTEROLEMIC

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No. OF CLAIMS 10 - No drawing

A B S T R A C T

A method for the preparation of 2-acetamidoethyl (3-trifluoromethylphenoxy) (4-chlorophenyl) acetate which comprises treating 2-acetamidoethyl (4-chlorophenyl)-haloacetate with 3-trifluoromethylphenol or with a salt of 3-trifluoromethylphenol. The 2-acetamidoethyl (3-trifluoromethylphenoxy) (4-chlorophenyl)-acetate thus obtained is a hypocholesterolemic and hypolipemic agent which effectively reduces the concentration of cholesterol, triglycerides and other lipids in blood serum.

967978

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method for the preparation of 2-acetamidoethyl-(3-trifluoromethylphenoxy)(4-chlorophenyl)acetate which comprises treating 2-acetamidoethyl(4-chlorophenyl)haloacetate with 3-trifluoromethylphenol in the presence of a base or with a salt of 3-trifluoromethylphenol.
2. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)bromoacetate is treated with 3-trifluoromethylphenol in the presence of a base.
3. The method according to Claim 2 wherein the base is derived from an alkali metal or alkaline earth metal.
4. The method according to Claim 3 wherein the base is an alkali metal alkoxide, alkali metal carbonate, alkali metal hydroxide or alkali metal bicarbonate.
5. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)haloacetate is treated with 3-trifluoromethylphenol in a hydrocarbon solvent and in the presence of a base selected from alkali metal alkoxide or alkali metal carbonate, at a temperature of from about 40°C. up to the reflux temperature of the reaction mixture.
6. The method according to Claim 5 wherein the base is sodium carbonate.
7. The method according to Claim 5 wherein the hydrocarbon solvent is benzene.
8. The method according to Claim 5 wherein the temperature employed is the reflux temperature of the reaction mixture.

967978

9. The method according to Claim 1 wherein 2-acetamidoethyl(4-chlorophenyl)bromoacetate is treated with a salt of 3-trifluoromethylphenol.

10. The method according to Claim 9 wherein the salt of 3-trifluoromethylphenol is an alkali metal or alkaline earth metal salt.

